



Material Safety Data Sheet

Material Name: Quaker State HD 30 Motor Oil

ID: QS-023

*** Section 1 - Chemical Product and Company Identification ***

Product Numbers: 03636 (case/4x4 qt), 03608 (5 gallon); 03610 (55 gallon); 03619 bulk

Chemical Name: Motor Oil

Manufacturer Information

Quaker State Corporation
225 E. John Carpenter Freeway
Irving, Texas 75062

Phone: (800)562-5928

Emergency # (800)424-9300 CHEMTREC

General Comments

CHEMTREC Emergency telephone number is to be used in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
Not Available	Lube Oil Additive with Zinc Salt of Dialkyl Dithiophosphoric Acid, Borated Polyisobutenyl Succinic Anhydride Nitrogen Functionalized Dispersant, Calcium and/or Magnesium Alkylaryl Detergent and Solvent Dewaxed Mineral Oil	9-18
Not Available	Lube Oil Additive with Dialkyl Fumarate and Vinyl Acetate Copolymer	< 1
64742-65-0	Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	Blend
64742-54-7	Petroleum Distillates, Hydrotreated Heavy Paraffinic	Blend

Component Information/Information on Non-Hazardous Components

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is 90%.

All mineral oils used in this product have been severely hydrotreated and/or solvent refined. This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). Exact composition of this product will vary with availability of materials. All ingredients listed above may not always be included in final product.

*** Section 3 - Hazards Identification ***

Emergency Overview

This product is a viscous amber liquid. It will burn at elevated temperatures (above 420 deg F). Addition of water or foam to the fire may cause frothing. Use dry chemical or carbon dioxide for small fires, water spray or foam for large fires.

Hazard Statements

This product is irritating to the eyes, and may be irritating to the skin and respiratory system. Pulmonary aspiration hazard if swallowed.

Potential Health Effects: Eyes

This product is irritating to the eyes.

Potential Health Effects: Skin

Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis.

Potential Health Effects: Ingestion

Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

Potential Health Effects: Inhalation

Negligible hazard at room temperature (up to 95 degrees F). Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: gloves, glasses/face shield

Hazard Scale. 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. If eyes become inflamed, seek medical advice.

First Aid: Skin

Remove contaminated clothing. Wash affected area with mild soap and water. Launder contaminated clothing before reuse.

Material Safety Data Sheet

Material Name: Quaker State HD 30 Motor Oil

ID: QS-023

First Aid: Ingestion

If the material is swallowed, seek immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If affected, remove individual to fresh air. Get medical attention if symptoms develop or persist.

First Aid: Notes to Physician

This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

*** Section 5 - Fire Fighting Measures ***

Flash Point: 400 F (204 C)

Upper Flammable Limit (UFL): Not determined

Auto Ignition: Not determined

Rate of Burning: Not determined

General Fire Hazards

This product is combustible at high temperatures.

Hazardous Combustion Products

Carbon dioxide, carbon monoxide, aldehydes, oxides of sulfur, calcium, nitrogen, magnesium, phosphorus and zinc, and other hydrocarbon fractions. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

Extinguishing Media

Dry chemical or carbon dioxide for small fires. Water spray or foam for large fires.

Fire Fighting Equipment/Instructions

Wear full set of protective equipment including chemical goggles and gloves. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Do not point solid water stream directly into burning oil to avoid spreading.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Stop the flow of material, if this is without risk.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container. Do not allow the spilled product to enter public drainage systems or open water courses. Surfaces may become slippery after spillage.

Evacuation Procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Special Procedures

Remove soiled clothing and launder before reuse. Avoid skin contact and inhalation of vapors during disposal of spills.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes. Avoid breathing fumes if this product is used at high temperatures. Avoid the generation of oil mists. Wash hands after handling and before eating. Launder work clothes frequently.

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Do not store this material in open or unlabeled containers. Store away from strong oxidizers. Empty containers may retain product residue including flammable or explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

Material Safety Data Sheet

Material Name: Quaker State HD 30 Motor Oil

ID: QS-023

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³. The following are recommended exposure limits for hydrogen sulfide: OSHA PEL 8H TWA 10 ppm (14 mg/m³), Ceiling 20 ppm and ACGIH 8H TWA 10 ppm (14 mg/m³).

Protect from skin and eye contact.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation. Use in a well-ventilated area. If product is heated above 70 C (155 C), hydrogen sulfide vapors may be released. Ventilation should be sufficient to keep hydrogen sulfide levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact or any contact with used oil. The use of neoprene gloves is recommended.

Personal Protective Equipment: Respiratory

Normally not necessary. If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

Personal Protective Equipment: General

Use good hygiene when handling petroleum product.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Amber to Dark Amber
Physical State: Liquid
Vapor Pressure: Negligible
Boiling Point: Not determined
Solubility (H₂O): Negligible in water
Freezing Point: Not determined

Odor: Mild hydrocarbon
pH: Not available
Vapor Density: Not determined
Melting Point: Not determined
Specific Gravity: 0.87-0.90 @ 60 F
Viscosity: 80-291.8 cSt @ 40 C, 10.5-11.0 cSt @ 100 C

Percent Volatile: Negligible

Physical Properties: Additional Information

Pour Point: -10 F; -23 C

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Avoid excessive heat and all sources of ignition.

Incompatibility

Oxidizing agents, acids, halogens and halogenated compounds.

Hazardous Decomposition

At thermal decomposition temperatures carbon dioxide, carbon monoxide, fumes, smoke, aldehydes, oxides of sulfur, sodium, calcium, nitrogen, magnesium, phosphorous, and zinc, and various hydrocarbons. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

Material Safety Data Sheet

Material Name: Quaker State HD 30 Motor Oil

ID: QS-023

Based on similar products the LD50 is expected to be greater than 5,000 mg/kg. Product has the ability to cause oil acne on the skin and fibrosis in the lung.

B: Component Analysis - LD50/LC50

Petroleum Distillates, Hydrotreated Heavy Paraffinic (64742-54-7)

RTECS PY8035500

Oral LD50 Rat: >15 gm/kg

Dermal LD50 Rabbit: >5 gm/kg

RTECS PY8035501

Oral LD50 Rat: >15 gm/kg

Dermal LD50 Rabbit: >5 gm/kg

Carcinogenicity

A: General Product Information

No data available on the product as a whole. Note that USED oils tend to contain higher amounts of the cancer-causing aromatics, which have been linked to scrotal and lung cancer in humans.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP

Epidemiology

No data available for product.

Neurotoxicity

No data available on this product as a whole

Mutagenicity

No data available on this product as a whole

Teratogenicity

Review of information on components indicates no components at greater than 1 0% have teratogenic effects

Other Toxicological Information

Persons with skin or respiratory conditions may be more sensitive to product. This product contains a blend of petroleum distillates and residual oils, all of which have been solvent refined or severely hydrotreated. The petroleum distillate and residual oil blend consists of one or more of the components identified by CAS Number in Section 2. Since these components vary with the availability of materials their presence is noted as "blend"

*** Section 12 - Ecological Information ***

Ecotoxicity

No information is available on ecotoxicity of this product. Keep product out of sewers and waterways

Environmental Fate

No information is available.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste. User must test waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components

Disposal Instructions

Used oil can be returned to a collection center or provided to a licensed recycler. All wastes must be handled in accordance with local, state and federal regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as a hazardous material

Hazard Class: None

Material Safety Data Sheet

Material Name: Quaker State HD 30 Motor Oil

ID: QS-023

UN/NA #: None

Packing Group: None

International Transportation Regulations

Not regulated as dangerous goods

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act Discharges of spills into or leading to surface waters that cause sheen must be reported to the National Response Center (1-800-424-8802) All components of this product are listed on the U.S. EPA TSCA Inventory.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4)

State Regulations

A: General Product Information

No components require labeling under California Proposition 65.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations

A: General Product Information

This product is not considered a controlled product under the Canadian Controlled Products Act

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Petroleum Distillates, Hydrotreated Heavy Paraffinic	64742-54-7	Yes	Yes	Yes
Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	64742-65-0	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL

*** Section 16 - Other Information ***

Other Information

This information is, to the best of Quaker State Corporation's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Key/Legend

N = No; Y = Yes, ppm - parts per million; mg/m³ = milligrams per cubic meter of air, ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value, NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program, IARC = International Agency for Research on Cancer

MSDS History

Preparation Information: last revised 02/10/1997 Revision 2 0000 11/19/1997.

Revision 2 0000: Section 2 was revised to indicate that the product contains a "blend" of petroleum distillates and/or residual oils. Section 11 revised to the nature of the product blend.

Revision (06/05/98) Text correction

Contact: Vince Bernard, Corporate Safety Director

Contact Phone: (800) 562-5928

This is the end of MSDS # QS-023